

most of which can be mapped at the Earth's surface at 1:24,000 scale or are traceable in the subsurface. In some cases, the NPS may further evaluate only a significant segment of a given natural feature, where the segment is biologically or geologically representative and where the entire feature is so large as to be impracticable for natural landmark consideration (e.g., a mountain range). Almost two-thirds of all national natural landmarks range from about 10 to 5,000 acres, but some are

larger or smaller because of the wide variety of natural features recognized by the National Natural Landmarks Program.

(b) *Criteria.* NPS uses the following criteria to evaluate the relative quality of areas as examples of regionally characteristic natural features:

(1) *Primary criteria.* Primary criteria for a specific type of natural feature are the main basis for selection and are described in the following table:

Criterion	Description	Example
Illustrative character	Area exhibits a combination of well-developed components that are recognized in the appropriate scientific literature as characteristic of a particular type of natural feature. Should be unusually illustrative, rather than merely statistically representative.	Alpine glacier with classic shape, unusual number of glaciological structures like crevasses, and well-developed bordering moraine sequences.
Present condition	Area has been less disturbed by humans than other areas ...	Large beech maple forest, only a small portion of which has been logged.

(2) *Secondary criteria.* Secondary criteria are provided for additional consideration, if two or more similar area

cannot be ranked using the primary criteria. Secondary criteria are described in the following table:

Criterion	Description	Example
Diversity	In addition to its primary natural feature, area contains high quality examples of other biological and/or geological features or processes.	Composite volcano that also illustrates geothermal phenomena.
Rarity	In addition to its primary natural feature, area contains rare geological or paleontological feature or biological community or provides high quality habitat for one or more rare, threatened, or endangered species.	Badlands, including strata that contain rare fossils.
Value for Science and Education.	Area contains known or potential information as a result of its association with significant scientific discovery, concept, or exceptionally extensive and long term record of on-site research and therefore offers unusual opportunities for public interpretation of the natural history of the United States.	Dunes landscape where process of ecological succession was noted for first time.

§ 62.6 Natural landmark monitoring.

(a) *Owner contact.* The Field Offices of the NPS maintain periodic contacts with the owners of designated national natural landmarks to determine whether the landmarks retain the values that qualified them for landmark designation and to update administrative records on the areas.

(b) *Section 8 Report.* (1) The Secretary, through the NPS, prepares an annual report to the Congress on all designated national natural landmarks with known or anticipated damage or threats to one or more of the resources that made them nationally significant. This report is mandated by Section 8 of the National Park System General Au-

thorities Act of 1970, as amended, (16 U.S.C. 1a-5).

(2) A landmark is included in this report if it has lost or is in imminent danger of losing all or part of its natural character to such a degree that one or more of the values that made it nationally significant are or will be irreversibly damaged or destroyed. In assessing the status of a landmark, NPS considers the condition of the landmark at the time of designation, including any changes that have occurred and any threats that could impact it in the future.

(3) Section 8 also requires the Secretary to make recommendations to the Congress on qualified areas for consideration as additions to the National

Park System. No legal mandate requires that the Congress take further action about national natural landmarks listed as damaged or threatened or about areas that are recommended for possible future additions to the National Park System.

(4) NPS Regional Offices are responsible for monitoring the condition of, and for completing status reports on, all designated national natural landmarks in their regions. In some cases, the NPS may arrange with outside individuals, agencies or organizations to monitor the status of selected national natural landmarks. NPS or its representative usually monitors national natural landmark condition and status during a visit.

(c) *Monitoring.* (1) The NPS or its representative notifies the owner(s) of a national natural landmark of his or her pending visit to the area to determine its status and condition, and informs the owner(s) of the purposes of monitoring and its relation to the Secretary's annual report on threatened or damaged landmarks.

(2) While monitoring conditions of designated national natural landmarks, neither NPS nor its representative will enter onto private property or onto public lands that are not otherwise open to the public without first obtaining permission from the owner(s) or administrator(s). The NPS may monitor landmark condition without entering onto lands where required permission has not been granted by using other existing information, including telephone conversations with the owner(s) or manager(s) of the area, written materials provided by the owner or manager, or information previously developed by other Federal or State agencies or other scientific studies. The NPS provides owners with copies of monitoring reports on their property, which will include the name and affiliation of the individual(s) who completed the report.

(d) *Section 8 report preparation.* (1) After completion of landmark monitoring, the NPS Regional Offices forward their findings and recommendations to the NPS Washington Office. The NPS Washington Office reviews the Regional Office findings and recommendations and prepares a draft re-

port listing only the national natural landmarks with significant known or anticipated damage or threats to the integrity of one or more of the resources that made the area nationally significant.

(2) Pertinent portions of this draft report, including any executive summary, are provided to the owner(s) or administrator(s) of national natural landmarks listed as is feasible, as well as to other interested authorities, organizations and individuals. All individuals have 30 days to provide written comments to the NPS on the draft report. Comments may include additional information on the condition of landmarks or on the nature or imminence of reported damage or threats to these landmarks. Owners are also asked to indicate whether they would like to receive a copy of the final report, as described in paragraph (d)(3) of this section.

(3) The NPS reviews all comments on the draft report and prepares a final report, which the Director transmits to the Secretary for submission to the Congress. Upon release of the final report, the NPS will provide a copy of the report to the owner(s) of landmarks who are listed in the report and have requested copies and to other interested authorities, organizations and individuals.

(e) *Mining in the Parks Act.* If the NPS determines that an entire or partial national natural landmark may be irreparably lost or destroyed by surface mining activity, including exploration for or removal or production of minerals or materials, NPS notifies the person that is conducting the activity and prepares a report that identifies the basis for the finding that the activity may cause irreparable loss or destruction. The NPS also notifies the owner(s) of the national natural landmark in writing of its finding. The NPS submits to the Advisory Council on Historic Preservation the report and a request for advice about alternative measures that may be taken by the United States to mitigate or abate the activity. The authority for this action is contained in Section 9 of the Mining in the Parks Act of 1976 (16 U.S.C. 1908).

(f) *National Environmental Policy Act.* Federal agencies should consider the

existence and location of designated national natural landmarks, and of areas found to meet the criteria for national significance, in assessing the effects of their activities on the environment under section 102(2)(c) of the National Environmental Policy Act (42 U.S.C. 4321). The NPS is responsible for providing requested information about the National Natural Landmarks Program for these assessments.

§ 62.7 Natural landmark modifications.

(a) *Determination of need for modifications.* After designation, the modification of the boundaries of a natural landmark, and/or revision of information about it, may be appropriate. For example, because of new information or changes in the condition of an NNL, the boundary may have to be reduced or expanded or information about the NNL may have to be revised. Additional study may reveal that the area has nationally significant values that had not been previously documented. The NPS determines that landmark modifications are necessary through administration of the program. In addition, the NPS may receive suggestions for landmark modifications from other Federal agencies, State natural area programs, and other public and private organizations or individuals. The NPS determines the validity of these suggestions by applying the natural landmark criteria or by conducting additional study.

(b) *Boundary expansion.* (1) Three justifications exist for enlarging the boundary of a national natural landmark: better documentation of the extent of nationally significant features, professional error in the original designation, or additional landowners with nationally significant features on their property desiring the designation.

(2) If the NPS determines that an expansion of the boundary of the national natural landmark is appropriate, it will use the designation process outlined in § 62.4(b) through (j). If a boundary is expanded, only the owners in the newly considered but as yet not designated portion of the area are notified and asked if they object to designation.

(c) *Boundary reduction.* Two justifications exist for reducing the boundary of a national natural landmark: Loss of

integrity of the natural features or professional error in the original designation. If the NPS determines that a reduction in the national natural landmark boundary is indicated, the designation removal process outlined in § 62.8 is used.

(d) *Change in description of values.* If the NPS determines that a change in the description of the national natural landmark's nationally significant values is warranted, the NPS prepares the recommended changes and the Director submits the changes and all supportive documentation to the National Park System Advisory Board. The Advisory Board reviews the information submitted by the Director and makes recommendations to the Secretary. The Secretary reviews the supportive documentation and the recommendations of the board, and may approve changes in the description of a landmark's nationally significant values.

(e) *Minor technical corrections.* Minor technical corrections to a national natural landmark boundary and other administrative changes in landmark documentation not covered under paragraphs (a) through (d) of this section may be approved by the Director without a review by the Advisory Board or the approval by the Secretary. Minor technical boundary corrections are defined as those that involve a change in less than five percent of the total area of the national natural landmark. The NPS notifies owners of proposed minor technical boundary corrections or other administrative changes in documentation, as described in this paragraph (e). Based upon owner response to this notification, the NPS determines whether the proposed change is a minor technical correction to landmark documentation that can be made administratively or whether the procedures outlined in § 62.4(d) through (j) must be followed.

§ 62.8 Natural landmark designation removal.

(a) *Criteria for removal.* (1) Except as provided in paragraph (f) of this section, national natural landmark designation is removed from an area:

(i) When it can be shown that an error in professional judgment was made such that the site did not meet